

sikkens

ALPHA BETON

Acrylic water-based paint for exposed reinforced concrete on the outside



High-durability opaque, opaque acrylic water-based paint particularly suitable for exposed reinforced concrete outdoors.

PRODUCT FEATURES

Composition:

Based on acrylic resin in aqueous dispersion, fillers and selected pigments

Main properties:

- Water-based wall paint specific for reinforced concrete works
- Unsaponifiable
- Opaque in appearance
- Good resistance against the growth of microorganisms (algae, fungi, etc.)
- Uniforms the color differences of reinforced concrete castings, without changing their aesthetic effect
- Excellent resistance to CO diffusion²

TECHNICAL FEATURES

Viscosity:

Brookfield 8000 - 10000 cps

Density (density): pH:

1.30 ± 0.05 kg / dm³

8.5 - 9.5

Solid content:

38 ± 2% by volume; 52 ± 2% by weight

Drying at 23 ° C / 65% RH:

Touch dry: 1 - 2 hours

Can be painted over: after 3 - 4 hours

Coloring:

Only with Akzo Nobel's Acomix tinting system using W05 and M15 bases

Packaging:

5 and 10 l

EU limit value for VOC content

Cat. A / c: 40 g / l (2010). This product contains a maximum of 35 g / l of VOC

Physical values according to EN 13300

Appearance of the film:

G.3 Opaque ≤ 10 OJ 85 °

Dry film thickness:	AND ₁	≤ 50 µm
Particle size:	S ₁ end	<100 µm
Vapor permeability (ISO 7783-2):	V ₂ Average	Sd = 1.10 - 1.15 m; V> 15 ≤ 150 g / (m ² * d) W =
Water permeability:	W ₃ LOW	≤ 0.05 kg / (m ² * h _{0.5})

METHOD OF USE

Methods of application:

By roller or brush.

Dilution:

15 - 20% by volume with

Mixing:

water. With no other product.

Any mixing will alter the characteristics and qualities of the product.

Surrender:

14 - 16 m²/ l per hand.

The yield may vary according to the irregularities of the surfaces to be treated.

Environmental conditions for application:

Temperature: 5 - 30 ° C; Relative humidity: max 85%

The application of the product carried out in unsuitable atmospheric conditions negatively affects the drying times, compromising the optimal achievement of the aesthetic and performance characteristics.

Rainwater Resistance:

The product completes the drying and polymerization processes within 10 - 15 days in optimal environmental conditions (23 ° C; max. RH 85%).

If the product, in this period of time, were to be washed away by rainwater, unsightly drippings with a translucent and sticky appearance could be highlighted.

This phenomenon, of a temporary nature, does not affect the qualitative characteristics of the product and can be easily eliminated by hydro-washing or by waiting for subsequent rainy events. With water immediately after use.

Cleaning of tools:

Storage:

In tightly closed packs, in a cool and dry place, away from frost and heat sources.

Warnings:

Systems that use ALPHA BETON as a finish must be applied to perfectly dry and cured substrates. We recommend the use of shading sheets to be used on the scaffolding, to protect from the sun's rays and any rains.

Operations such as sanding, sandblasting, flame removal, etc. old coats of paint can generate dangerous dust and / or fumes. Work in well-ventilated areas and necessarily wear suitable personal protective equipment.

For more information on the correct disposal, storage and handling of the product, please consult the relevant Safety Data Sheet.

APPLICATION SYSTEMS

Preparation

Reinforced concrete cast on site and new prefabricated

- Wait for the total seasoning; eliminate the residues of release agents; careful brushing; apply a coat of ALPHA GROND in the color corresponding to the finish, diluted 30% by volume with DILUENTE PER ALPHA GROND

Reinforced concrete cast on site and deteriorated prefabricated

- Removal of inconsistencies with hydro-cleaning; removal of damaged parts in reinforced concrete by exposing the reinforcing bars; restoration of the removed parts using specific passivating and non-shrinkage mortars from the premixed line for professional construction; wait at least 10 - 15 days; apply a coat of ALPHA GROND in the color corresponding to the finish, diluted 30% by volume with DILUENTE PER ALPHA GROND

Reinforced concrete painted with degraded paints

- Total removal of existing paint with POLYFILLA PRPO S100 paint stripper and subsequent water cleaning; removal of damaged parts in reinforced concrete by exposing the reinforcing bars; restoration of the parts removed using

specific passivating and anti-shrinkage mortars of the premixed line for professional construction; wait at least 10 - 15 days; apply a coat of ALPHA GROND in the color corresponding to the finish, diluted 30% by volume with DILUENTE PER ALPHA GROND

Reinforced concrete painted with well-anchored crumbling organic paints

- Remove inconsistencies by brushing or hydro-cleaning; wait for drying; apply a coat of ALPHA GROND in the color corresponding to the finish, diluted 30% by volume with DILUENTE PER ALPHA GROND

Finish

- Apply two coats of ALPHA BETON, diluted 15 - 20% by volume with water, with an interval of at least 4 hours between one coat and the next

Note:

All the information contained in this document is purely indicative and contains only some examples of support that do not represent the totality of the situations that in practice could be affected, therefore if it is necessary to intervene on supports not indicated or if further clarifications are necessary, we invite you to contact our Technical Assistance Service.

Furthermore, for the correct preparation of the substrates and the application of the products, the rules for state-of-the-art installation apply, as reported in the Assovernici Technical Manual "Preserve, Protect, Decorate with paints on the outside" and in the Sikkens notebook. "Preparation of masonry supports", which we invite you to consult.

TENDER SPECIFICATIONS

Wording to be included in the tender specifications and estimates

Opaque acrylic water-based paint for exposed reinforced concrete cast on site and prefabricated outside (ALPHA BETON type)

TECHNICAL FEATURES

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Coloring:	Only with Akzo Nobel's Acomix tinting system using W05 and M15 bases
Packaging:	5 and 10 l
EU limit value for VOC content	Cat. A / c: 40 g / l (2010). This product contains a maximum of 35 g / l of VOC

Physical values according to EN 13300

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Dry film thickness:	AND ₁	≤ 50 μm
Particle size:	S.1end	<100 μm
Vapor permeability (ISO 7783-2):	V.2Average	Sd = 1.10 - 1.15 m; V> 15 ≤ 150 g / (m ² * d) W =
Water permeability:	W3Low	≤ 0.05 kg / (m ² * h _{0.5})

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